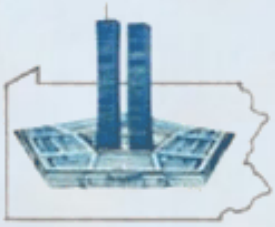
Editor: Pamela Manning
x4072

MARCH 2005

anticipate the alternatives, and prepare for anything

Lose an hour in the morning
and you'll be looking for it
all day!



We Remember
Sept. 11, 2001

A Note From Our Chairman

Congratulations to all for an extremely successful 200 GeV copper-copper run. All the performance goals were greatly exceeded. We are now into the 62.4 GeV copper-copper run. In the background the polarized proton run is taking shape.

NSRL-5 operations are about to start; followed by NSRL-6 later this spring and a short AGS run for NASA nuclear physics cross section measurements. During NSRL-6 the NASA summer school students will have the opportunity to get some beam time for their experiments.

The AGS part of the RSVP costing and scheduling effort, led by Phil Pile, has been working hard to develop a plan that will withstand the scrutiny of a "Lehman" type review. They are almost there and at a cost level that has remained essentially constant since the effort started in earnest last July.

The EBIS Project preparations are continuing with frequent interactions with the DOE Brookhaven Office and the Office of Nuclear Physics. Jim Alessi and his folks are actively working towards a DOE cost and schedule review this spring-summer, followed by CD1 approval.

On the fiscal front, we are solvent for FY2005 as long as we are careful with our spending. I urge everyone to consider the critical need of all purchases that they will be making. The manpower levels can be supported with the implementation of the force reductions that I have mentioned in previous Particle Posts.

The next fiscal years' financial outlook is now in the congressional arena. We will have to continue to work with the legislators to provide the funds for the physics program at RHIC.

Finally, I would like to remind everyone that we all have to work safely. We do not want to see anyone getting hurt and we also do not want any interruptions to our facility efforts due to mishaps in the workplace. So, "Think Safety, Act Wisely".

Derek Lowenstein

Administration

The FY 2007 Budget Submission is nearly complete. The FWP's have been submitted and detailed labor plans and budgets for fiscal years FY 2006 and FY 2007 have been entered. The Budget Office is now compiling the departmental submissions and looking at the impact of the President's Budget on the Laboratory and its support units. It is clear that next year will again be a difficult year for all of us. Laboratory management has begun the process of "working the system" in an effort to reinstate some budget cuts and, in particular, the RHIC Operations budget.

As the success of our efforts to reinstate funding for RHIC Operations will not be known for many months, it is critical that we begin now to reduce costs in preparation for next year. Therefore, we cannot, as we have done in past years, enter the new fiscal year with significant commitments.

Effort is currently underway to button up the estimate for RSVP. Our success in this effort and the approval to proceed would help to mitigate the impact of next year's budget cuts.

As a result of reductions in force elsewhere on site, Procurement and Property Management has rotated personnel. Brian Mayo, who has been with the Department for many years, has returned to PPM, and Shelby Williams has joined our group. Shelby is located in Building 918 where our well-seasoned Jim Downing is helping him to get acquainted.

We, and by "we" I mean both technical and administrative personnel in the Department, successfully managed the implementation of the new PeopleSoft WEB Requisition Entry system. Our in-house training session was well attended, and procurement was "business as usual" from Day 1 of the new entry system. The Business Systems Division (BSD) is currently piloting its next new release, a PeopleSoft module for shipping memo entry. Implementation is planned for mid to late March. As always, Steve Bubka and Ann Lamberti are available if you require assistance with the entry process.

Stephanie LaMontagne-McKeon

Experimental Support and Facilities Division

In this issue I would like to highlight the activity that is surrounding the RSVP (Rare Symmetry Violating Processes) program. The RSVP project is funded through the National Science Foundation (NSF) and involves two large experiments KOPIO and MECO that will utilize the high intensity AGS proton beams and the accompanying work to upgrade the Booster, AGS, and Switchyard and installation of the two experiments on the AGS floor. The overall plan calls for a 5-year construction phase and running for physics beginning around 2010 (??).

Phil Pile is the project manager of the C-AD effort, which spans all C-AD divisions along with the Magnet Division. The team includes A. Pendzick as deputy and oversees the AGS Switchyard modifications; K. Brown for the Booster/ AGS modifications assisted by George Mahler, Joe Tuozzolo, Jon Sandberg for the mechanical and electrical and Alex Zaltsman for the Radio Frequency systems respectively; L. Ahrens for the beam commissioning scenarios; C. Pearson and D. Phillips are responsible for the KOPIO and MECO beam lines construction and experiments installation; D. Barton for the controls; D. Gassner for the instrumentation; N. Williams for the safety systems; D. Lazarus, and W. Meng are the liaison physicists for the experiments; and D. Sappo as manager of all the ACCESS data bases and WBS Project files.

Over the past year the team has gone through a conceptual design phase followed by detailed cost estimates and passed a successful cost and schedule review in November of last year. This was one in a series of RSVP reviews. Since the beginning of this year the team has been busy with detailed scrubbing exercises in order to firm up the cost and schedule estimates. In addition, the team was directed by the RSVP Project Office to cut costs by 20% so a major de-scoping effort followed resulting in a 15% reduction, a bit below the target. A complete WBS resource loaded system to delineate the required manpower to meet the project milestones and load leveling to assure normal C-AD operations and planned upgrades is in progress. In addition, K. Brown, D. Lazarus, W. Meng, N. Williams, E. Lessard are writing sections of a Technical Resign Report (TDR) to accompany the detailed cost estimates. I have agreed to serve as editor for this document.

The next hurdle is to pass an internal cost and schedule review in preparation for an external NSF mandated project baseline review scheduled for late April this year. This constitutes the last hurdle before construction funds begin to flow towards the end of this fiscal year. Towards that end we extend our best wishes for a good showing and of course we will lend a helping hand to make sure this happens.

Yousef Makdisi

RHIC Update

The high energy RHIC copper run ended as planned on March 6. In almost 8 weeks of physics running the machine delivered 15 nbarn-1 of integrated luminosity to Phenix and STAR, at the low beta* interaction regions, and
about 6 nbarn-1 to Brahms and Phobos. That is more than twice the stated goal for the run of 7 nbarn-1 to the high luminosity experiments. Phenix and Phobos fully met their physics goal for the high-energy run, and Star and Brahms came close, making this an overall productive run for machine and experiments alike. From March 7 on, the focus has shifted to Cu collisions at low energy (31.2 GeV/u as compared to 100 GeV/u at high energy). After ~ 6 shifts of machine development to commission the low energy ramp, physics started and it is planned to continue until the March 23. A day of collisions at injection energy is also planned before we turn over to polarized proton operations. high energy RHIC copper run ended as planned on March 6.

Fulvia Pilat

SNS

As we close-in on the BNL/SNS “end date” milestone of March 31, 2005 I can’t help but notice that the level of activity has been elevated by a notch or two in several areas. For instance, during February we delivered the last of eight quadrupole doublet magnet assemblies for the four straight sections of the accumulator Ring; delivered two Ionization Profile Monitors (IPM); delivered the first of two extraction kicker magnet assemblies; delivered all six of the large aperture quadrupoles for the Ring to Target Building Transport line (RTBT); started assembly/testing of the last two dipole magnets for the extraction area and RTBT line; finished magnetic measurements of all four radiation hardened quadrupoles; managed the vendor delivery of power supply # 276 (of 283) that we ordered for the Project; and completed installation drawings for the extraction straight section.

In addition to the remaining work mentioned above, our focus during these next weeks will be on:

- **Impedance matching the Beam in Gap (BIG) chamber.**
- **Assembly and testing of the Video Foil Monitor (VFM).**
- **Testing drives and controls for the foil and scraper drives.**
- **Acceptance of carbon/carbon foils from our vendor, Fiber Materials, Inc.**
- **Bake-out of the second extraction kicker assembly.**
- **Assembly of the four 36Q85 radiation hardened quadrupoles.**
- **Assembly and testing of the movable scraper.**
- **Delivery of the two injection dump septum magnets.**
- **Complete all remaining Diagnostics' work including Beam Position Monitors (BPM), Video Foil Monitor, and the Beam in Gap chamber.**
- **Assemble the Q1/Q2 quadrupole doublet for the RTBT line.**
- **NiT coating of vacuum components recently provided by Oak Ridge.**
- **Finalize BNL/SNS drawings and technical documentation.**

The BNL/SNS end date milestone is about one month away and the report card summarizing our six years of Project activity should be known by early May. From my perspective, the BNL/C-AD/SNS team should score nothing less than excellent for their SNS accomplishments. Good show everyone; stay the course and take it home!

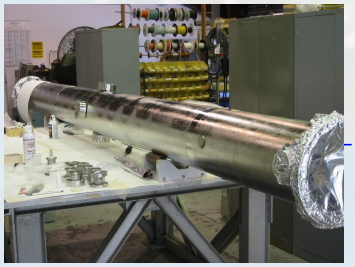
Last Quad Doublet

One of two IPM Chambers

RTBT Quads ready for shipment

First Extraction Kicker Assembly

Motors for Foil Drives



Beam In Gap Chamber (BIG)

View of Radiated Hardened Quads/Correctors

Bill McGahern

C-AD Occupational Injury Statistics

	For Year 2003	For Year 2005
First Aid Cases	5	1
Recordable Cases	11	1
Lost Work Cases	4	1

REMINDER: **TLD exchange is done the *FIRST* FRIDAY of the Month.**

NEXT EXCHANGE: Have your TLD on its assigned badge board by
Friday, APRIL 1, 2005

Pete Cirnigliaro

On behalf of James Tarpinian

Many more responses have been provided in response to the questions and concerns that arose during Safety Partnership Week. The latest file can be found at the Safety Partnership Week page of the ESH&Q web site: http://intranet.bnl.gov/ESHQ/Safety_Partnership_Week.asp

An announcement to this effect is also being placed on the BNL home page.

Click *HERE* for a video of car static electricity. Can you identify how many things went wrong in this video? Answers and fuel guide at the end of the Particle Post.

Jay Bartalomy

Bill Fritz

Ubaldo Iriso-Ariz

Anne Reuter

Jay is with the Collider Accelerator Support Group and will be leaving March 31.
Bill is with the Communications & Electronic Support Group and will be leaving March 31.
Ubaldo is with the Accelerator Physics Group and will be leaving March 31.
Anne is with the Cryogenic Systems Group and will be leaving March 23.

Good Luck!

We wish all of you born in MARCH
a happy and healthy year ahead.

Birthday people ONLY click on cake

For Patricia's 10th anniversary at BNL she received a Mug, coaster, and key tag. Patricia is with the Vacuum Systems Group.

SOME PICTURES FROM LORALIE'S BABY SHOWER HELD MARCH 11

Click *HERE* to take a look at a picture - and let me tell you - this is NOT an animated picture. YOUR EYES ARE MAKING IT MOVE! To test this, stare at one spot for a couple of seconds and everything will stop moving. Or look at the black center of each circle and it will stop moving. BUT - move your eyes to the next black center and the previous will move after you!

BERA News Spring 2005
QOL/BERA/Recreation Office www.bnl.gov/bera

Upcoming Events:

~**Book & Gift Fair** 3/22 & 3/23 at Berkner 10am-2pm

~**BERA Thank** You Event- 3/28/05
4pm Berkner RSVP ext. 5090

~**NYC Opera Company**-Carmen 4/17/05 SOLD OUT

~**Brooklyn Botanical Garden** 4/30/05
Cherry Blossom Festival $10

~**NY Mets** vs. St. Louis Cardinals $40 May 13, 2005

~**Wicked** Sunday 8/14/05 $70 Don't miss it!

~**Culinary Inst. Of America** Tues July , 2005

~**NASCAR-Dover**, DE on June 5 & Sept. 25

More to follow! Check the BERA Calendar frequently!

~ Fresh Direct~

What do 4,000 New Yorkers enjoy weekly? The freshest foods, convenience of ordering from home & pick up at BNL every Thursday. Try it!

http://www.freshdirect.com/bnl/index.jsp
access code is quark 2004

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2005 BERA Elections March 28-April 1, 2005

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New Spring Activity Registration coming soon! Aqua Aerobics, Jazzercise, Pilates, and more!

SUMMER CAMP & SWIMMING LESSONS!!!

June 30-August 26, 2005. Call Ext. 5090 for information or log on to BERA.

Camp is for the children of employees only, but Swim Lessons are open to grandchildren as well.

BERA DISCOUNTS!!!

~Movie Tickets are now available for all local movie theatres at $6.50 ea. at the BERA Store ***(including Island 16 & Stony Brook Multiplex!)***

~Discounts at Apple Computer, GymSource, Ice.com, Saturn, PerksCard, Tanger Outlet, Smithaven Mall, and more

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122 - 503

TEAM WEEK tm

MODELL'S SPORTING GOODS

Gotta Go To Mo's

TEAM WEEK tm

BERA Softball

Your Shopping Period:
4/22/2005 ▶ 5/5/2005

SAVE... 10% OFF
YOUR TOTAL PURCHASE
of Reg. Priced Merchandise
During Your "Team Week"

YOUR TEAM RECEIVES 5% BACK
OF PURCHASES MADE
on Reg. Priced Merchandise
During Your "Team Week"

EARN MVP AWARDS
WHILE SUPPORTING YOUR TEAM!

0 50000 03285 3

Cannot be combined with any other offer. Previously purchased merchandise excluded. Offer does not apply to merchandise purchased for resale purposes. Offer applies to store stock only. Offer excludes sale and clearance items, treadmills, gift certificates, Timberland Boots, Nike Air Jordan products & tennis balls. Coupon must be presented to cashier to receive offer and is void if copied or transferred.

ALUMNI NEWS: AGS/RHIC/C-AD RETIRED CROWD **-We'd enjoy hearing from you and what you're up to! Send your notes to pmanning@bnl.gov**

You can catch up on all of Eric Forsyth's travels by clicking on his sailing yacht below

MARCH 2005

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10 Community Advisory Council Meeting "Open to the Public" 6:30pm, Berkner, Room B	11	12

13	14 AP Seminar "Beam-beam effects at Tevatron: Experience vs. Expectations" Y. Alexahin, FNAL, 3pm, 911B, LCR	15	16 TIME CARDS DUE 402nd Brookhaven Lecture "Genetic Engineering: What's the Fuss" 4pm, Berkner Auditorium	17 Saint Patrick's Summer Camp Expo, 11am-12pm Berkner Lobby	18 AP Seminar "Induction Acceleration of a Proton Bunch in the KEK 12 GeV PS" K. Takayama, KEK, 4pm, 911B, LCR	19
20  Spring Begins	21 AP Seminar Commissioning of the Tesla Cyclotron" N. Neskovic, Serbia, 3pm, 911B, LCR	22	23	24	25	26
27 	28	29	30 Counterintelligence Office Seminar "Terrorism Awareness in the DOE/NNSA Community", 9am-noon, Berkner Auditorium	31		

April

2005

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3 Daylight Savings Time Begins	4	5	6	7	8	9
10	11	12	13	14 TIMECARDS DUE	15	16
17	18	19	20	21	22	23
24 Passover	25	26	27	28	29	30

Here are consumer refueling and fuel safety guidelines that will help keep you and your family safe when refueling your vehicle or filling up gasoline storage containers:

- Turn off your vehicle engine while refueling. Put your vehicle in park and/or set the emergency brake. Disable or turn off any auxiliary sources of ignition such as a camper or trailer heater, cooking units, or pilot lights.
- Do not smoke, light matches or lighters while refueling at the pump or when using gasoline anywhere else.
- Use only the refueling latch provided on the gasoline dispenser nozzle, never jam the refueling latch on the nozzle open.
- Do not re-enter your vehicle during refueling.
- In the event a static-caused fire occurs when refueling, leave the nozzle in the fill pipe and back away from the vehicle.
- Notify the station attendant immediately.
- Do not over-fill or top-off your vehicle tank, which can cause gasoline spillage.
- Avoid prolonged breathing of gasoline vapors. Use gasoline only in open areas that get plenty of fresh air. Keep your face away from the nozzle or container opening.
- When dispensing gasoline into a container, use only an approved portable container and place it on the ground when refueling to avoid a possible static electricity ignition of fuel vapors.
- Containers should never be filled while inside a vehicle or its trunk, the bed of a pickup truck or the floor of a trailer.
- Only store gasoline in approved containers as required by federal or state authorities. Never store gasoline in glass or any other unapproved containers.

- **When filling a portable container, manually control the nozzle valve throughout the filling process. Fill a portable container slowly to decrease the chance of static electricity buildup and minimize spilling or splattering.**
- **Fill container no more than 95% full to allow for expansion.**
- **Place cap tightly on the container after filling - do not use containers that do not seal properly.**
- **If gasoline spills on the container, make sure that it has evaporated before you place in the container in your vehicle. Report spills to the attendant.**
- **When transporting gasoline in a portable container maker sure it is secured against tripping and sliding, and never leave it in direct sunlight or in the trunk of a car.**
- **Never siphon gasoline by mouth nor put gasoline in your mouth for any reason. Gasoline can be harmful or fatal if swallowed. If someone swallows gasoline, do not induce vomiting. Contact a doctor immediately.**
- **Keep gasoline away from your eyes and skin - it may cause irritation. Remove gasoline-soaked clothing immediately.**
- **Use gasoline as a motor fuel only. Never use gasoline to wash your hands or as a cleaning solvent.**